

ASSIGNMENT 2

Textbook Assignment: "Systems Equipment Configurations," chapter 2, pages 2-27 through 2-33; "Satellite Communications," chapter 3, pages 3-1 through 3-35.

- 2-1. Which of the following methods should you use to transmit printed text?
1. Facsimile
 2. Single tone
 3. Multiplexing
 4. Sequencing
- 2-2. In which of the following publications can you find information on TEMPEST requirements?
1. MIL-STD-1650
 2. MIL-STD-1660
 3. MIL-STD-1670
 4. MIL-STD-1680
- 2-3. What is the designator of any conductor intended to carry classified plain language terminating in RED equipment or the RED side of crypto equipment?
1. Coded red
 2. Primary red
 3. Secondary red
 4. Terminal red
- 2-4. Of the following radios, which is popularly known as the "Gibson girl"?
1. AN/CRT-3A
 2. AN/PRC-77
 3. AN/PRC-96
 4. AN/PRC-117
- 2-5. Which of the following radios provides homing and two-way voice communications between liferafts and searching ships?
1. AN/CRT-3A
 2. AN/PRC-77
 3. AN/PRC-96
 4. AN/PRC-104
- 2-6. Which of the following radios is particularly useful during tactical black-out operations?
1. AN/PRC-96
 2. AN/PRC-104
 3. AN/PRC-117
 4. AN/PSC-3
- 2-7. Which of the following radios has frequency hopping capability?
1. AN/PRC-96
 2. AN/PRC-104
 3. AN/PRC-117
 4. AN/PSC-3
- 2-8. The use of frequency hopping has certain advantages. One advantage is that the signal is difficult to detect. How is this accomplished?
1. No single carrier is used
 2. No modulation is used
 3. No signal amplification is used
 4. No multiplexing is used
- 2-9. One important feature of the AN/PSC-3 uhf radio is that it can interface directly with vhf radios. What is the purpose of this interface?
1. To provide a satellite link for vhf radios
 2. To make everyone use uhf instead of vhf
 3. To provide a keyer for the vhf radios
 4. To provide dual channel capability for the vhf radios

- 2-10. DMDG messages are sent at 300 or 1200 baud in the satellite mode and 266.6 baud when connected to AN/PRC-70/74. When these messages are received, they are read on a display screen. Which of the following is the device used to type and read these messages?
1. KY-823/P
 2. KY-798/P
 3. KY-283/P
 4. KY-879/P
- 2-11. What system was specifically designed to provide solutions to equipment planning by automatically determining the best system that each participant in a communications link should use?
1. CLEPS
 2. CLIPS
 3. CLSPS
 4. CLWPS
- 2-12. Of the two terms listed below, which one refers to reflection of radio signals back to earth by a satellite?
1. Active
 2. Passive
- 2-13. Which term refers to reception and retransmission?
1. Active
 2. Passive
- 2-14. Which of the following terms refers to transmissions received from a satellite?
1. Uplink
 2. Downlink
 3. Modelink
 4. Backlink
- 2-15. SATCOM links are only slightly affected by what phenomena associated with hf propagation difficulties?
1. Atmospheric
 2. Cosmic
 3. Siezemic
 4. Vortic
- 2-16. Trained crews can set up what type of satellite earth terminals within hours to establish communications in remote areas?
1. Crisis
 2. Defensive
 3. Mobile
 4. Partial
- 2-17. Of the following factors, which, if any, limit the use of a satellite communications system?
1. Orbital parameters and technical characteristics
 2. Transmitter power and receiver sensitivity
 3. Both 1 and 2
 4. None of the above
- 2-18. What purpose does CUDIXS/NAVMACS serve?
1. Provides an extension to terrestrial teletypewriter networks
 2. Provides status reporting and management of system assets
 3. Provides a communications link between submarines and shore terminals
 4. Provides a communications network for transmitting general-service message traffic between ships and shore installations
- 2-19. How many NCTAMS have primary responsibility for communications via satellite?
1. One
 2. Two
 3. Three
 4. Four
- 2-20. Subsystems consist of two parts. What are they?
1. Baseband equipment; rf terminal
 2. Multiplexing equipment; satellite
 3. Satellite; rf terminal
 4. Transmitters; receivers

- 2-21. In modes 1 through 6, what are the uplink and downlink frequency bands used in Fleet Satellite Broadcast?
1. Hf; shf
 2. Uhf; hf
 3. Uhf; shf
 4. Shf; uhf
- 2-22. What system do subscribers use to receive Fleet Satellite Broadcast?
1. AN/BRA-1
 2. AN/FRT-1
 3. AN/SSR-1
 4. AN/VRC-1
- 2-23. What is the minimum number of broadcast channels that NAVMACS guards automatically?
1. One
 2. Two
 3. Three
 4. Four
- 2-24. What is the bandwidth (in kHz) of the satellite channels allocated to CUDIXS/NAVMACS?
1. 10
 2. 15
 3. 20
 4. 25
- 2-25. What term is associated with a submarine commander's ability to receive messages via satellite at scheduled intervals?
1. Group broadcasts
 2. Interval broadcasts
 3. Network broadcasts
 4. Timed broadcasts
- 2-26. Secure voice uses digitized voice with a 3-kHz voice channel. What type of voice modulation does this describe?
1. Multiband
 2. Narrowband
 3. Singleband
 4. Wideband
- 2-27. When using Secure Voice, a ship must contact what authority before initiating communications with a shore command?
1. Fleet controller
 2. Group controller
 3. Net controller
 4. Voice controller
- 2-28. Which of the following is a subsystem specifically designed for special intelligence communications?
1. OTCIXS
 2. TADIXS
 3. TACINTEL
 4. FLTSATCOM
- 2-29. TADIXS-equipped surface ships and submarines operate in what mode(s)?
1. Receive only
 2. Transmit only
 3. Transmit and receive
- 2-30. What subsystem is used in conjunction with TADIXS to transmit OTH-T data from the fleet to other ships and shore commands?
1. OTCIXS
 2. SSIXS
 3. TACINTEL
 4. FLTSATCOM
- 2-31. Because the reception of TADIXS information by a ship does not require an acknowledgement, the ship can operate in what type of environment and still receive message traffic?
1. Emission control
 2. Emission quiet
 3. Transmit control
 4. Transmit quiet
- 2-32. What system was developed to multiplex several users on one 25-kHz satellite channel?
1. MSAS
 2. DAMA
 3. VINSON
 4. NCTAMS

- 2-33. What term is used to describe how the Demand Assigned Multiple Access data stream is formatted?
1. Frame
 2. Picture
 3. Segment
 4. Window
- 2-34. In the DAMA multiplexed data stream, which slot is used to test for communications error?
1. Data
 2. Link
 3. Ranging
 4. Return channel
- 2-35. What are all DAMA multiplexer transmit times referenced to?
1. The controller
 2. The satellite
 3. The transmitter
 4. The Vocoder
- 2-36. Which of the following equipments is used as the DAMA multiplexer?
1. DM-1217B/U
 2. TD-1271B/U
 3. DM-1271B/U
 4. TD-1217B/U
- 2-37. Who performs day-to-day control and operation of naval satellite communications assets?
1. Chief of Naval Operations
 2. Satellite Operations Command
 3. Naval Space Command
 4. Naval Computer and Telecommunications Command
- 2-38. Of the 23 uhf communications channels each FLTSATCOM satellite has, how many one dedicated to Navy use?
1. 1
 2. 5
 3. 10
 4. 15
- 2-39. How many FLTSATCOM satellites have ehf packages installed?
1. One
 2. Two
 3. Three
 4. Four
- 2-40. LEASAT satellites have fewer 25-kHz channels than FLTSATs. What ground-based system do they use to maintain communications efficiency?
1. DAMA
 2. MSAS
 3. PSAS
 4. VINSON
- 2-41. What is the replacement satellite for GAPFILLER, FLTSATCOM, and LEASAT?
1. UHF F/O
 2. UFO F/O
 3. SHF F/O
 4. SRP F/O
- 2-42. The AN/FSC-79 satellite communications terminal transmits on what band?
1. Ehf
 2. Hf
 3. Shf
 4. Uhf
- 2-43. Which of the following is another term used to describe the shf communications band?
1. A-band
 2. S-band
 3. U-band
 4. X-band
- 2-44. The AN/WSC-5(V) uhf transceiver is capable of using differentially encoded phase-shift-keying and what other type of modulation?
1. AM
 2. CW
 3. FM

- 2-45. Which of the following radios is the primary shipboard los and satellite transceiver?
1. AN/WSC-3
 2. AN/WCS-3
 3. AN/WSC-5
 4. AN/WCS-5
- 2-46. The AN/WSC-3 transceiver has two rf output levels. One of these is 30 watts. What is the other rf output level?
1. 50 watts
 2. 100 watts
 3. 150 watts
 4. 200 watts
- 2-47. What shipboard system is used to receive Fleet Satellite Broadcast?
1. AJS/BRC-1
 2. AN/SRR-1
 3. AN/SSR-1
 4. AN/BRR-1
- 2-48. Which of the following is a spread spectrum type modem and is used with the AN/FSC-79 satellite communications terminal?
1. OM-33A/USC
 2. OM-43A/USC
 3. OM-51A/FR
 4. OM-61A/FR
- 2-49. Of the two processors listed below, which one is used in the TADIXS subsystem?
1. AN/UYK-20(V)
 2. AN/UYK-44(V)
- 2-50. The AN/USQ-69(V) data terminal set is currently used with what two subsystems?
1. SSIIXS/OTCIIXS
 2. TACINTEL/NAVMACS
 3. NAVMACS/TADIXS
 4. OTCIIXS/TADIXS
- 2-51. Audio digital converter CV-3333/U is used primarily as an analog-to-digital converter for what type of communications?
1. Analog voice
 2. Crypto voice
 3. Secure voice
 4. Unsecured voice
- 2-52. Where are the system interface connectors installed on the Electrical Equipment Rack CY-7597/WSC-3?
1. On the back panel
 2. On the front panel
 3. On the side panel
 4. On the top panel
- 2-53. DAMA-equipped shore installations use the OK-481(V)2/FSC Control Monitor Group to interface TD-1271B/Us, AN/WSC-5(V)s, and baseband equipment. It can accommodate up to how many TD-1271B/Us?
1. 11
 2. 12
 3. 13
 4. 14